Experimental Physics Investigators (EPI) Initiative

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Fall 2023
Looking to support high-risk, high-reward research for mid-career individuals

• Cohorts of 20 individuals/year.
• 5 years of support: $1.25M
• Supplemental instrumentation fund
• Annual gathering of investigators
• Goal of building cohorts of distinguished scholars that will advance experimental physics
• Commitment to supporting inclusive research groups that promote equity in the community
• Two-stage proposal process: low bar for applying
• Pre-proposals due 25 October

Email: EPI@moore.org
Experimental Physics Investigators: Eligibility

- Received tenure for the first time within past 5 years (or equivalent)
- Possible (non-COVID) extension for significant life-events that impacted research productivity
- US institution; departmental designation not considered
- Experimental physics (related disciplines considered, but we are aiming to support a set of individuals who can collaborate and generate new synergistic ideas to advance the field)

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Experimental Physics Investigators: Disciplinary Focus

Supported
• Atomic/molecular/optical physics
• Biophysics
• Chemical physics
• Condensed matter
• Fluid dynamics
• Geophysics
• Laser physics
• Materials
• Polymer physics
• Plasma physics
• Precision measurements
• Quantum information
• Soft matter physics

Not Supported
• Work in large collaborations
• Theoretical physics
• Computational work
• Observational work (e.g., astronomy)
• Public engagement research
• Education research
Experimental Physics Investigators: Pre-proposal Details

• Brief outline of an exciting new direction that would be difficult to pursue on your current trajectory or with current research efforts including a description of how the proposed research will advance the field (6,000-character limit)
  – Scientific background
  – Qualifications
  – Central question(s)
  – Potential impact

• PhySH disciplines and concepts of proposed work

• CV data will be extracted from your ORCID profile (employment, education, awards, funding, publications/presentations)

• Professional background: previous contributions, funding, publications, presentations, honors

• Personal information (internal use only)

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Tentative details

• Project description (6 pages), budget

• Answers to questions about promoting equity and inclusion (*do not include this or institutional context in pre-proposal*)

• Answers to questions from chair describing engagement, research directions, etc.

• List of recommended reviewers and those who you would prefer not review (with rationale)
Experimental Physics Investigators: Timeline

- September: Pre-application opened
- 25 October: Pre-application deadline (hard deadline)
- Mid December: Applicants informed of status
- Early February: Full proposals due
- May: Decisions
- August: Award process (notification)

- July 2025: Cohort gathering
Questions?
Feedback?
epi@moore.org

Website